

Amendments To the Claims:

Please amend the claims as shown. Applicants reserve the right to pursue any cancelled claims at a later date.

1.-7. (cancelled)

8. (new) An arrangement for securing data access of a first subscriber or a plurality of first subscribers arranged in a first sub-network of an automation network to a second subscriber or a plurality of second subscribers arranged in a second sub-network of the automation network, the arrangement comprising at least one secure-switch connected upstream of the first subscriber or the plurality of first subscribers for establishing a tunnel to the second subscriber or the plurality of second subscribers, the tunnel configured to securely transmit data via an insecure network, wherein

the secure-switch is an Ethernet switch and at least one port of the tunnel is a layer-3-port for establishing a tunnel end point in accordance with the Ipsec-protocol, and

the secure switch is configured to establish the tunnel representative for the first subscriber or the plurality of first the and to allocate the tunnel to the first subscriber or the plurality of first subscribers using a subscriber address of the first subscriber or the plurality of first subscribers.

9. (new) The arrangement according to claim 8, further comprising a configuration tool for configuring the automation network, the configuration tool configured to generate parameter data related to the secure-switch and to automatically transmit the generated data to the secure-switch.

10. (new) The arrangement according to claim 8, wherein the secure-switch comprises at least one port configured as a WLAN end point for establishing a tunnel end point.

11. (new) The arrangement according to claim 8, wherein the secure-switch comprises at least one port configured to be used as a tunnel end point, the at least one point having a marker.

12. (new) The arrangement according to claim 11, wherein the marker is switchable.

13. (new) A secure-switch for securing data access of a first subscriber or a plurality of first subscribers arranged in a first sub-network of an automation network to a second subscriber or a plurality of second subscribers arranged in a second sub-network of the automation network, wherein

the secure switch is configured to be connected upstream of the first subscriber or the plurality of first subscribers, and

the secure switch is an Ethernet switch having at least one port embodied as a layer-3-port for establishing a tunnel end point in accordance with the IPsec protocol, the secure switch comprising a Secure Channel Converter for establishing a tunnel to the second subscriber or the plurality of second subscribers, the tunnel configured to securely transmit data via an insecure network, wherein the Secure Channel Converter is configured to establish the tunnel representative for the first subscriber or the plurality of first subscribers and to allocate the tunnel to the first subscriber or the plurality of first subscribers using a subscriber address of the first subscriber or the plurality of first subscribers.